

My Practice Time 1

1. Using the repeated subtraction method, fill in the blanks. One has been done for you.

a. $15 \div 5 = \boxed{3}$

$15 - \boxed{5} = \boxed{10}$; $10 - 5 = \boxed{5}$; $5 - 5 = 0$

b. $36 \div 6 = \boxed{6}$

$36 - \boxed{6} = \boxed{30}$; $\boxed{30} - 6 = \boxed{24}$; $\boxed{24} - 6 = \boxed{18}$; $\boxed{18} - 6 = \boxed{12}$;

$\boxed{12} - 6 = \boxed{6}$; $\boxed{6} - 6 = 0$

c. $40 \div 8 = \boxed{5}$

$40 - \boxed{8} = 32$; $32 - 8 = 24$; $\boxed{24} - \boxed{8} = 16$; $16 - \boxed{8} = 8$;

$8 - \boxed{8} = 0$

2. Divide the following using the repeated subtraction method in your notebook.

a. $16 \div 4 = 4$

b. $25 \div 5 = 5$

c. $20 \div 4 = 5$

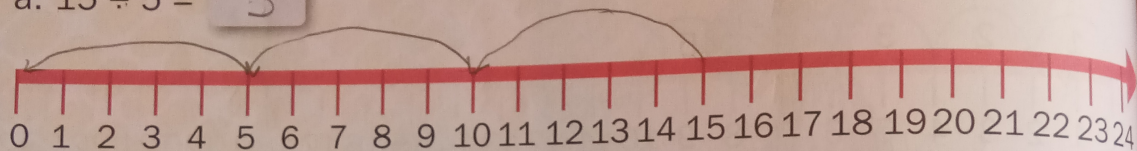
d. $24 \div 6 = 4$

e. $81 \div 9 = 9$

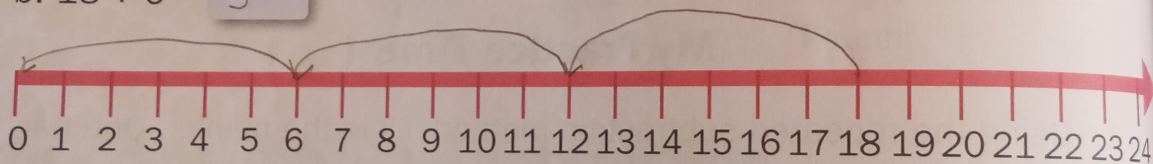
f. $35 \div 5 = 7$

3. Divide the following using the number line.

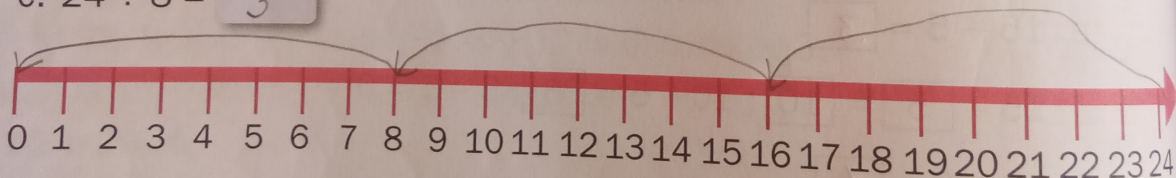
a. $15 \div 5 = 3$



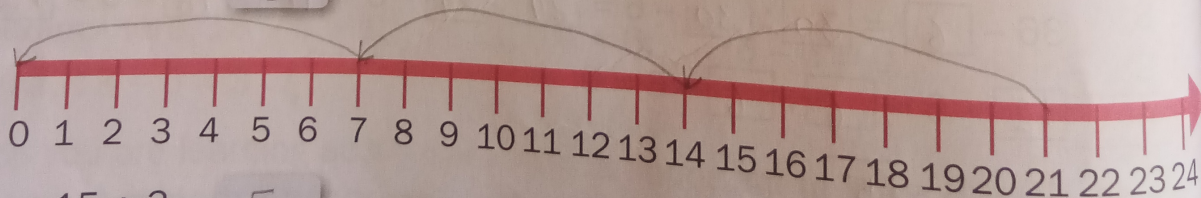
b. $18 \div 6 = 3$



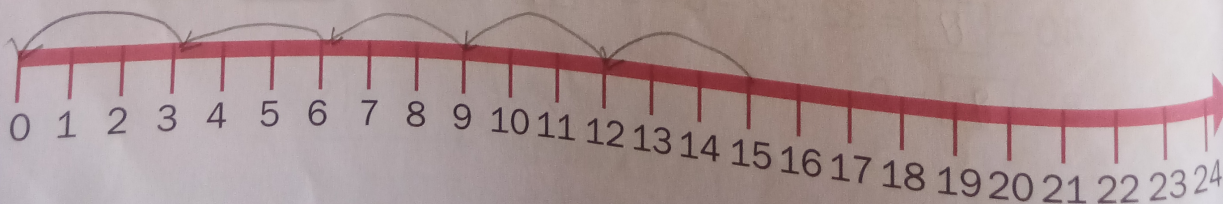
c. $24 \div 8 = 3$



d. $21 \div 7 = 3$



e. $15 \div 3 = 5$



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1.

For example, $13 \div 13 = 1$, $36 \div 36 = 1$

When zero is divided by any number, the answer is always 0.

For example, $0 \div 10 = 0$, $0 \div 50 = 0$

My Practice Time 2

1. Write the multiplication facts for the following.

a. $20 \div 4 = 5$

i. $4 \times 5 = 20$

ii. $5 \times 4 = 20$

c. $24 \div 6 = 4$

i. $6 \times 4 = 24$

ii. $4 \times 6 = 24$

b. $12 \div 3 = 4$

i. $3 \times 4 = 12$

ii. $4 \times 3 = 12$

d. $35 \div 5 = 7$

i. $7 \times 5 = 35$

ii. $5 \times 7 = 35$



2. Solve the following and see how multiplication is related to division.

a. $6 \times 4 = 24$, $4 \times 6 = 24$; $24 \div 4 = 6$, $24 \div 6 = 4$

b. $3 \times 4 = 12$, $4 \times 3 = 12$; $12 \div 4 = 3$, $12 \div 3 = 4$

c. $5 \times 6 = 30$, $6 \times 5 = 30$; $30 \div 5 = 6$, $30 \div 6 = 5$

d. $4 \times 5 = 20$, $5 \times 4 = 20$; $20 \div 4 = 5$, $20 \div 5 = 4$

e. $7 \times 9 = 63$, $9 \times 7 = 63$; $63 \div 7 = 9$, $63 \div 9 = 7$

f. $8 \times 4 = 32$, $4 \times 8 = 32$; $32 \div 8 = 4$, $32 \div 4 = 8$

3. Fill in the boxes.

a. $65 \div 65 = 1$ b. $125 \div 125 = 1$ c. $725 \div 725 = 1$

d. $30 \div 1 = 30$ e. $0 \div 526 = 0$ f. $0 \div 112 = 0$

4. State whether 'true' or 'false'.

a. On dividing 360 by 360, the quotient will be 0.

b. $270 \div 1 = 270$

c. If a number is divided by 0, the answer will be 1.

d. $450 \div 450 = 450$.

false
true
false
false

Division of a 2-digit Number by a 1-digit Number Without Remainder

Step 2:

Thus, 39

With R

Example:

Solution:

Step 1:

Step 2:

Hence, on

1. Solve

Ch - 5

Division

My Practice Time - 3

Q1 Solve the following in your notebook

a)
$$\begin{array}{r} 6 \\ 5 \overline{) 30} \\ - 30 \\ \hline 00 \end{array}$$

b)
$$\begin{array}{r} 6 \\ 6 \overline{) 36} \\ - 36 \\ \hline 00 \end{array}$$

c)
$$\begin{array}{r} 8 \\ 4 \overline{) 32} \\ - 32 \\ \hline 00 \end{array}$$

d)
$$\begin{array}{r} 5 \\ 7 \overline{) 35} \\ - 35 \\ \hline 00 \end{array}$$

e)
$$\begin{array}{r} 5 \\ 5 \overline{) 25} \\ - 25 \\ \hline 00 \end{array}$$

f)
$$\begin{array}{r} 8 \\ 8 \overline{) 64} \\ - 64 \\ \hline 00 \end{array}$$

g)
$$\begin{array}{r} 9 \\ 9 \overline{) 81} \\ - 81 \\ \hline 00 \end{array}$$

h)
$$\begin{array}{r} 6 \\ 7 \overline{) 42} \\ - 42 \\ \hline 00 \end{array}$$

i)
$$\begin{array}{r} 6 \\ 8 \overline{) 48} \\ - 48 \\ \hline 00 \end{array}$$

j)
$$\begin{array}{r} 9 \\ 5 \overline{) 45} \\ - 45 \\ \hline 00 \end{array}$$

$$\begin{array}{r} 7 \\ 7 \overline{) 49} \\ \underline{-49} \\ 00 \end{array}$$

$$\begin{array}{r} 9 \\ 4 \overline{) 36} \\ \underline{-36} \\ 00 \end{array}$$

Q2 Divide the following

$$\begin{array}{r} 14 \\ 4 \overline{) 56} \\ \underline{-4} \\ 16 \\ \underline{-16} \\ 00 \end{array}$$

$$\begin{array}{r} 21 \\ 3 \overline{) 63} \\ \underline{-6} \\ 03 \\ \underline{-3} \\ 00 \end{array}$$

$$\begin{array}{r} 11 \\ 5 \overline{) 55} \\ \underline{-5} \\ 05 \\ \underline{-5} \\ 00 \end{array}$$

$$\begin{array}{r} 21 \\ 2 \overline{) 42} \\ \underline{-4} \\ 2 \\ \underline{-2} \\ 0 \end{array}$$

$$\begin{array}{r} 13 \\ 3 \overline{) 39} \\ \underline{-3} \\ 09 \\ \underline{-9} \\ 00 \end{array}$$

$$\begin{array}{r} 12 \\ 4 \overline{) 48} \\ \underline{-4} \\ 8 \\ \underline{-8} \\ 00 \end{array}$$

$$\begin{array}{r}
 24 \\
 2 \overline{) 48} \\
 \underline{-4} \\
 08 \\
 \underline{-8} \\
 0
 \end{array}$$

g

$$\begin{array}{r}
 11 \\
 8 \overline{) 88} \\
 \underline{-8} \\
 08 \\
 \underline{-8} \\
 0
 \end{array}$$

h

$$\begin{array}{r}
 15 \\
 3 \overline{) 45} \\
 \underline{-3} \\
 15 \\
 \underline{-15} \\
 00
 \end{array}$$

i

$$\begin{array}{r}
 12 \\
 6 \overline{) 72} \\
 \underline{-6} \\
 12 \\
 \underline{-12} \\
 00
 \end{array}$$

j

$$\begin{array}{r}
 24 \\
 3 \overline{) 72} \\
 \underline{-6} \\
 12 \\
 \underline{-12} \\
 00
 \end{array}$$

k

$$\begin{array}{r}
 10 \\
 4 \overline{) 40} \\
 \underline{-4} \\
 00
 \end{array}$$

l

03 Find the quotient and the remainder of the following

$$\begin{array}{r}
 12 \\
 a) 3 \overline{) 38} \\
 \underline{-3} \\
 8
 \end{array}$$

a

$$\begin{array}{r}
 32 \\
 2 \overline{) 65} \\
 \underline{-6} \\
 05
 \end{array}$$

b

$$\begin{array}{r}
 8 \\
 -6 \\
 \hline
 2
 \end{array}$$

quotient = 12

remainder = 2

q = 32

r = 1

2 1

$$c. \quad 4 \overline{) 85}$$

$$-8 \downarrow$$

$$05$$

$$-4$$

$$\underline{1}$$

$$q = 21$$

$$r = 1$$

e.

15

$$5 \overline{) 76}$$

$$-5$$

$$26$$

$$-25$$

$$\underline{01}$$

$$q = 15$$

$$r = 1$$

31

$$d. \quad 3 \overline{) 94}$$

$$-9 \downarrow$$

$$04$$

$$-3$$

$$\underline{1}$$

$$q = 31$$

$$r = 1$$

f.

21

$$3 \overline{) 65}$$

$$-6$$

$$05$$

$$-3$$

$$\underline{2}$$

$$q = 21$$

$$r = 2$$

19

$$g. \quad 5 \overline{) 97}$$

$$-5 \downarrow$$

$$47$$

$$-45$$

$$\underline{2}$$

$$q = 19$$

$$r = 2$$

24

$$i. \quad 3 \overline{) 74}$$

$$-6$$

$$14$$

$$-12$$

$$\underline{02}$$

$$q = 24$$

$$r = 2$$

12

$$h. \quad 6 \overline{) 74}$$

$$-6 \downarrow$$

$$14$$

$$-12$$

$$\underline{02}$$

$$q = 12$$

$$r = 2$$

12

$$j. \quad 5 \overline{) 62}$$

$$-5$$

$$12$$

$$-10$$

$$\underline{02}$$

$$q = 12$$

$$r = 2$$

$$\begin{array}{r} 16 \\ 3 \overline{) 50} \\ \underline{- 3} \\ 20 \end{array}$$

$$\begin{array}{r} 27 \\ \underline{- 3} \\ 24 \end{array}$$

$$\begin{array}{r} 20 \\ \underline{- 5} \\ 15 \end{array}$$

$$\begin{array}{r} 18 \\ \underline{- 8} \\ 10 \end{array}$$

$$02$$

$$q = 16$$

$$r = 2$$

$$3$$

$$\begin{array}{r} 3 \\ 9 \overline{) 32} \\ \underline{- 27} \\ 5 \end{array}$$

$$\begin{array}{r} 27 \\ \underline{- 7} \\ 20 \end{array}$$

$$5$$

$$q = 3$$

$$r = 5$$

Q4 Fill in the blanks

a. $28 \div 3 = \text{quotient} = 9$, remainder = 1

b. $46 \div 6 = \text{quotient} = 7$, remainder = 4.

c. $75 \div 5 = \text{quotient} = 15$, remainder = 00

d. $75 \div 3 = \text{quotient} = 25$, remainder = 00

e. $55 \div 4 = \text{quotient} = 13$, remainder = 3

f. $96 \div 9 = \text{quotient} = 10$, remainder = 6

My Practice Time - 4

Q1. Divide the following:

$$\begin{array}{r} 213 \\ 3 \overline{) 639} \\ -6 \downarrow \\ \hline 03 \\ -3 \downarrow \\ \hline 09 \\ -9 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 412 \\ 2 \overline{) 824} \\ -8 \downarrow \\ \hline 02 \\ -2 \downarrow \\ \hline 04 \\ -4 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 211 \\ 4 \overline{) 844} \\ -8 \downarrow \\ \hline 04 \\ -4 \downarrow \\ \hline 04 \\ -4 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 214 \\ 3 \overline{) 642} \\ -6 \downarrow \\ \hline 04 \\ -3 \downarrow \\ \hline 12 \\ -12 \\ \hline 00 \end{array}$$

$$\begin{array}{r} 180 \\ 4 \overline{) 720} \\ -4 \downarrow \\ \hline 32 \\ -32 \downarrow \\ \hline 000 \end{array}$$

$$\begin{array}{r} 53 \\ 4 \overline{) 212} \\ -20 \downarrow \\ \hline 12 \\ -12 \\ \hline 00 \end{array}$$

$$\begin{array}{r}
 74 \\
 6 \overline{) 444} \\
 \underline{- 42} \downarrow \\
 024 \\
 \underline{- 24} \\
 00
 \end{array}$$

$$\begin{array}{r}
 111 \\
 7 \overline{) 777} \\
 \underline{- 7} \downarrow \\
 07 \\
 \underline{- 7} \downarrow \\
 07 \\
 \underline{- 7} \\
 0
 \end{array}$$

Q2 Divide and find the quotient and remainder of the following.

$$\begin{array}{r}
 121 \\
 3 \overline{) 365} \\
 \underline{- 3} \downarrow \\
 06 \\
 \underline{- 6} \downarrow \\
 05 \\
 \underline{- 3} \\
 2
 \end{array}$$

quotient = 121
remainder = 2

$$\begin{array}{r}
 114 \\
 4 \overline{) 459} \\
 \underline{- 4} \downarrow \\
 5 \\
 \underline{- 4} \downarrow \\
 19 \\
 \underline{16} \\
 3
 \end{array}$$

q = 114
r = 3

$$\begin{array}{r}
 111 \\
 5 \overline{) 557} \\
 \underline{- 5} \downarrow \\
 05 \\
 \underline{- 5} \downarrow \\
 07 \\
 \underline{- 5} \\
 2
 \end{array}$$

q = 111
r = 2

$$\begin{array}{r}
 428 \\
 2 \overline{) 857} \\
 \underline{- 8} \downarrow \\
 5 \\
 \underline{- 4} \downarrow \\
 17 \\
 \underline{16} \\
 1
 \end{array}$$

q = 428
r = 1

$$\begin{array}{r}
 311 \\
 \underline{3 \overline{) 934}} \\
 -9 \downarrow \\
 \hline
 03 \\
 -3 \downarrow \\
 \hline
 04 \quad q = 311 \\
 -3 \quad r = 1 \\
 \hline
 1
 \end{array}$$

$$\begin{array}{r}
 144 \\
 \underline{6 \overline{) 867}} \\
 -6 \downarrow \\
 \hline
 26 \\
 -24 \downarrow \\
 \hline
 027 \quad q = 144 \\
 24 \quad r = 3 \\
 \hline
 03
 \end{array}$$

$$\begin{array}{r}
 223 \\
 \underline{2 \overline{) 447}} \\
 -4 \downarrow \\
 \hline
 04 \\
 -4 \downarrow \quad q = 223 \\
 \hline
 07 \quad r = 1 \\
 -6 \\
 \hline
 1
 \end{array}$$

$$\begin{array}{r}
 222 \\
 \underline{3 \overline{) 668}} \\
 -6 \downarrow \\
 \hline
 06 \\
 -6 \downarrow \quad q = 222 \\
 \hline
 08 \quad r = 2 \\
 -6 \\
 \hline
 2
 \end{array}$$

Q3 State whether the following statements are 'true' or 'false'.

a. We do not get any remainder on dividing 448 by 4. True

b. On dividing 559 by 5, we get quotient and remainder 4. True

c. 273 divided by 3 gives quotient as 91 and remainder as 0. True

d. On dividing 987 by 7, we get 141 as quotient and 2 as remainder. False

My Practice Time-5

Q. Divide the following.

$$\begin{array}{r} 161 \\ 5 \overline{) 805} \\ -5 \downarrow 1 \\ \hline 30 \\ -30 \downarrow \\ \hline 005 \\ -5 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 110 \\ 6 \overline{) 660} \\ -6 \downarrow 1 \\ \hline 06 \\ -6 \downarrow \\ \hline 00 \end{array}$$

$$\begin{array}{r} 101 \\ 5 \overline{) 505} \\ -5 \downarrow \downarrow \\ \hline 005 \\ -5 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 201 \\ 4 \overline{) 804} \\ -8 \downarrow \downarrow \\ \hline 004 \\ -4 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 110 \\ 4 \overline{) 440} \\ -4 \downarrow 1 \\ \hline 04 \\ -4 \downarrow \\ \hline 00 \end{array}$$

$$\begin{array}{r} 105 \\ 7 \overline{) 735} \\ -7 \downarrow \downarrow \\ \hline 035 \\ -35 \\ \hline 00 \end{array}$$

$$\begin{array}{r} 102 \\ 6 \overline{) 612} \\ -6 \downarrow \downarrow \\ \hline 012 \\ -12 \\ \hline 00 \end{array}$$

$$\begin{array}{r} 109 \\ 3 \overline{) 327} \\ -3 \downarrow \downarrow \\ \hline 027 \\ -27 \\ \hline 00 \end{array}$$

$$\begin{array}{r} 103 \\ 8 \overline{) 824} \\ - 8 \downarrow \downarrow \\ \hline 024 \\ - 24 \\ \hline 00 \end{array}$$

$$\begin{array}{r} 210 \\ 4 \overline{) 840} \\ - 8 \downarrow \downarrow \\ \hline 04 \\ - 4 \\ \hline 00 \end{array}$$

$$\begin{array}{r} 106 \\ 5 \overline{) 530} \\ - 5 \downarrow \downarrow \\ \hline 030 \\ - 30 \\ \hline 00 \end{array}$$

$$\begin{array}{r} 106 \\ 8 \overline{) 848} \\ - 8 \downarrow \downarrow \\ \hline 048 \\ - 48 \\ \hline 00 \end{array}$$

My Practice Time 6

Q1. Divide and check your answer.

$$\begin{array}{r} 1536 \\ 6 \overline{) 9221} \\ - 6 \downarrow \downarrow \\ \hline 32 \\ - 30 \downarrow \\ \hline 022 \\ - 18 \downarrow \\ \hline 41 \\ - 36 \\ \hline 5 \end{array}$$

Dividend = Quotient \times Divisor + Remainder

$$9221 = 1536 \times 6 + 5$$

$$9221 = 9216 + 5 = 9221$$

$$\begin{array}{r}
 617 \\
 \hline
 5 \overline{) 3087} \\
 \underline{-30} \downarrow \\
 008 \\
 \underline{-5} \downarrow \\
 37 \\
 \underline{-35} \\
 02
 \end{array}$$

$$\text{Divident} = Q \times D + R$$

$$= 617 \times 5 + 2$$

$$= 3085 + 2$$

$$= 3087$$

$$\begin{array}{r}
 961 \\
 \hline
 3 \overline{) 2885} \\
 \underline{-27} \downarrow \\
 18 \\
 \underline{-18} \downarrow \\
 005 \\
 \underline{-3} \\
 2
 \end{array}$$

$$\text{Divident} = Q \times D + R$$

$$= 961 \times 3 + 2$$

$$= 2883 + 2$$

$$= 2885$$

$$\begin{array}{r}
 783 \\
 \hline
 7 \overline{) 5482} \\
 \underline{-49} \downarrow \\
 58 \\
 \underline{-56} \downarrow \\
 22 \\
 \underline{-21} \\
 1
 \end{array}$$

$$\text{Dividend} = Q \times D + R$$

$$= 783 \times 7 + 1$$

$$= 5481 + 1$$

$$= 5482$$

$$\begin{array}{r}
 762 \\
 \hline
 7 \overline{) 5337} \\
 \underline{-49} \downarrow \\
 43 \\
 \underline{-42} \downarrow \\
 017 \\
 \underline{-14} \\
 3
 \end{array}$$

$$\text{Dividend} = Q \times D + R$$

$$= 762 \times 7 + 3$$

$$= 5334 + 3$$

$$= 5337$$

$$\begin{array}{r} 1000 \\ 9 \overline{) 9008} \\ - 9000 \\ \hline 0008 \end{array}$$

$$\begin{aligned} \text{Dividend} &= Q \times D + R \\ &= 1000 \times 9 + 8 \\ &= 9000 + 8 = 9008 \end{aligned}$$

$$\begin{array}{r} 1179 \\ 8 \overline{) 9437} \\ - 8 \\ \hline 14 \\ - 8 \\ \hline 63 \\ - 56 \\ \hline 77 \\ - 72 \\ \hline 5 \end{array}$$

$$\begin{aligned} \text{Dividend} &= Q \times D + R \\ &= 1179 \times 8 + 5 \\ &= 9432 + 5 \\ &= 9437 \end{aligned}$$

$$\begin{array}{r} 1506 \\ 5 \overline{) 7532} \\ - 50 \\ \hline 25 \\ - 25 \\ \hline 0032 \\ - 30 \\ \hline 02 \end{array}$$

$$\begin{aligned} \text{Dividend} &= Q \times D + R \\ &= 1506 \times 5 + 2 \\ &= 7530 + 2 \\ &= 7532 \end{aligned}$$

$$\begin{array}{r} 2114 \\ 3 \overline{) 6344} \\ - 6 \\ \hline 03 \\ - 3 \\ \hline 04 \\ - 3 \\ \hline 14 \\ - 12 \\ \hline 2 \end{array}$$

$$\begin{aligned} \text{Dividend} &= Q \times D + R \\ &= 2114 \times 3 + 2 \\ &= 6342 + 2 \\ &= 6344 \end{aligned}$$

j.
$$\begin{array}{r} 460 \\ 6 \overline{) 2764} \\ \underline{240} \\ 364 \\ \underline{360} \\ 44 \\ \underline{42} \\ 24 \\ \underline{24} \\ 0 \end{array}$$

$\text{Dividend} = \text{D} \times \text{D} + \text{R}$

$= 460 \times 6 + 4$

$= 2760 + 4$

$= 2764$

k.
$$\begin{array}{r} 126 \\ 8 \overline{) 1014} \\ \underline{64} \\ 374 \\ \underline{336} \\ 384 \\ \underline{384} \\ 0 \end{array}$$

$\text{Dividend} = \text{D} \times \text{D} + \text{R}$

$= 126 \times 8 + 6$

$= 1008 + 6$

$= 1014$

$$\begin{array}{r} 06 \\ -48 \\ \hline 054 \\ -16 \\ \hline 21 \\ -81 \\ \hline 1014 \end{array}$$

l.
$$\begin{array}{r} 749 \\ 9 \overline{) 6744} \\ \underline{63} \\ 44 \\ \underline{44} \\ 36 \\ \underline{36} \\ 0 \end{array}$$

$\text{Dividend} = \text{D} \times \text{D} + \text{R}$

$= 749 \times 9 + 3$

$= 6741 + 3$

$= 6744$

Q2 Write the quotient and remainder for the following

Division
Quotient
Remainder

a. $4193 \div 8$ 524

b. $5579 \div 4$ 1394

c. $6045 \div 6$ 1007

d. $9977 \div 8$ 1247